NOVEL FUNCTIONAL NORBORNENES AS INITIATORS FOR RADICAL POLYMERIZATION, THEIR POLYMERIC DERIVATIVES AND A PROCESS FOR PRODUCING THE SAME

## [ Abtract]

1

The present invention relates to novel functional norbornenes as initiators for radical polymerization, its polymer and a process for producing the same. the novel functional norbornenes particularly, by ring-opening metathesis polymerized selectively polymerization or radical polymerization to obtain various polynorbornene derivatives or grafted copolymer materials. polynorbornene derivatives and grafted copolymer materials not only exhibit excellent functional properties but physical and chemical properties enhanced also The polynorbornene derivatives and grafted modification. copolymer materials disclosed in the present invention exhibit excellent heat resistance, transparency and water resistance. The present invention also deals with a process for producing such derivatives and materials having controllable molecular weight with narrow molecular weight distribution.